## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(	See Instruc	tions on Re	verse Side	e)					
= '	en Flo iliverat				Test Date	e:				I No. 15 -023-20841-	00-00			
Company		N EN	NERGY MA	NAGEMENT,	LLC		Lease ZWEY0	ARDT			13-31	Well Nu	mber	
County CHEYENNE			Local NWSV		Section 31			TWP 3S		/W)	Acres Attributed			
Field CHERR	Y CR	EEK			Reservoir NIOBRA					thering Conn HERN STAR	ection VKINDER MOR	GAN		
Completic 6/18/200		te			Plug Bac 1697'	Plug Back Total Depti 1697'		1		Set at				
Casing Size 7", 41/2"			Weig 17#,	nt 11.6#	Internal Diameter 9-7/8",61/4"		Set at 321', 1739'		Perforations 1498'		то 1536'			
Tubing Size 2-3/8""			Weight 4.7#		Internal Diameter 1.995"			Set at 1562'		orations	То	То		
Type Con			escribe)			d Productio	on		Pump U YES	nit or Traveling	Plunger? Yes	/ No		
	g Thru		nulus / Tubin	g)	% C	arbon Diox	ide	<u> </u>	% Nitro	gen	Gas Gr	avity - (	à,	
Vertical D		<del>1</del> )		<del></del>	<del></del>	Pres	ssure Taps			<del>.</del>	(Meter i	Run) (P	rover) Size	
Pressure	Builda	ıp:	Shut in	6 2	0_14_at_1	1:30 AM	. (AM) (PM)	Taken		20	at	(	AM) (PM)	
Well on Line: S		Started <u>1/1</u>	72	0 14 at 1	14 at 11:30 AM		(AM) (PM) Taken		20	at	(	AM) (PM)		
						OBSERVI	ED SURFAC	E DATA		-	Duration of Shut-	in_24	Hours	
Static / Dynamic Property	Orif Siz (inch	:e	Circle one: Meter Prover Press psig (Pm)	1	Flowing Temperature	Well Head Temperature t	Wellhead	Pressure	Wellh	Tubing ead Pressure or (P <sub>1</sub> ) or (P <sub>6</sub> ) psia	Duration (Hours)		quid Produced (Barrels)	
Shut-In			,3 (,				paig	144	psig	psia				
Flow														
				•		FLOW STI	REAM ATTR	IBUTES			1		-	
Plate Coeffiec (F <sub>b</sub> ) (F Mcfd	ient p)	Pro	Circle one: Meter of over Pressure psia	Press Extension	Fact	Factor Fa		Flowing Fluid Gravity G <sub>m</sub>						
					(OPEN FL	DW) (DELI)	/ERABILITY	) CALCUI	.ATIONS		(7.)		07	
(P <sub>c</sub> ) <sup>2</sup> =	- ,	_:	(P <sub>w</sub> ) <sup>2</sup> =		P <sub>d</sub> =	. ,		P <sub>c</sub> - 14.4) +		:	(P <sub>a</sub> ):	2 = 0.2 2 =		
(P <sub>c</sub> ) <sup>2</sup> - (F or (P <sub>c</sub> ) <sup>2</sup> - (F	P <sub>a</sub> ) <sup>2</sup> P <sub>d</sub> ) <sup>2</sup>	(F	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	1. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup>	LOG of formula 1, or 2, and divide	P <sub>2</sub> -P <sub>2</sub>	Sio As	essure Curve pe = "n" - or signed fard Slope	l n x	LOG	Antilog	Del Equals	en Flow iverability R x Antilog (Mcfd)	
					<u> </u>					<u> </u>				
Open Flor		•		Mcfd @ 14.			Deliverat	•	a analia t		Mcfd @ 14.65 psi		ladaa of	
		-	-	aid report is true	and correct	t. Executed	-	9			ort and that he ha		20 <u>14</u> .	
			Witness	if any)		SEP 0	3 2014		•	For (	Company			
			For Comm	nission	C	ONSERVATI WICHI	iohi dhvasion Ta, ks			Che	cked by			

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Foundation Energy Management, LLC
and that the foregoing pressure information and statements contained on this application form are true and
correct to the best of my knowledge and belief based upon available production summaries and lease records
of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.  I hereby request a one-year exemption from open flow testing for theZWEYGARDT 13-31
gas well on the grounds that said well:
(Check one) is a coalbed methane producer
is cycled on plunger lift due to water
is a source of natural gas for injection into an oil reservoir undergoing ER
is on vacuum at the present time; KCC approval Docket No.
is not capable of producing at a daily rate in excess of 250 mcf/D
I further agree to supply to the best of my ability any and all supporting documents deemed by Commissio staff as necessary to corroborate this claim for exemption from testing.
Date: 8/29/2014
Signature: Kukul Puther
Title: OPERATIONS ASSISTANT

Instructions:

If a gas well meets one of the eligibility criteria set out in KCC regulation K.A.R. 82-3-304, the operator may complete the statement provided above in order to claim exempt status for the gas well.

At some point during the current calendar year, wellhead shut-in pressure shall have been measured after a minimum of 24 hours shut-in/buildup time and shall be reported on the front side of this form under OBSERVED SURFACE DATA. Shut-in pressure shall thereafter be reported yearly in the same manner for so long as the gas well continues to meet the eligibility criterion or until the claim of eligibility for exemption IS denied.